

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **11-354169**

(43)Date of publication of application : **24.12.1999**

(51)Int.Cl.

H01M 14/00

C23C 14/08

H01L 31/04

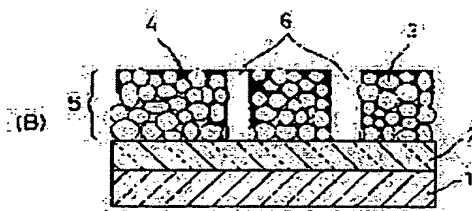
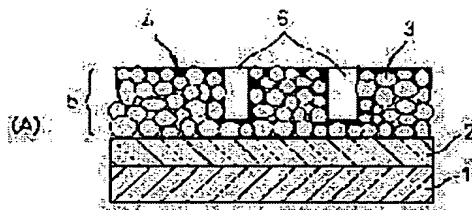
(21)Application number : **10-165840**

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(22)Date of filing : **01.06.1998**

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(54) **PHOTOCELL**



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a photocell with a cathode electrode of high quality capable of adsorbing a large molecule by a titanium oxide film as much as possible.

SOLUTION: A titanium oxide film 5 is composed to have at least one of pore 6 having 10-400 nm of diameter in a photocell provided with a cathode electrode having a transparent substrate 1, a transparent electrode 2 arranged on the substrate 1, the titanium oxide film 5 arranged on the electrode 2, and a sensitizer adsorbed in the titanium oxide film 5, so as to provide the photocell with the cathode electrode of high quality capable of adsorbing a large molecule by the titanium oxide film 5 as much as possible.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]